

<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <small>(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b).)</small>	Attorney Docket No. SD-8479	
	First Inventor or Application Identifier NILSON	
	Title	AXIALLY TAPERED AND BILAYER MICROCHANNELS FOR EVAPORATIVE COOLING DEVICES
	Express Mail Label No. EL177882137US	

<b>APPLICATION ELEMENTS</b> <small>See MPEP chapter 600 concerning utility patent application contents.</small>	
1. <input checked="" type="checkbox"/>	*Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and duplicate for fee processing)
2. <input checked="" type="checkbox"/>	Specification [Total Pages <b>39</b> ] (preferred arrangement set forth below) <ul style="list-style-type: none"><li>- Descriptive title of the Invention</li><li>- Cross References to Related Applications</li><li>- Statement Regarding Fed sponsored R &amp; D</li><li>- Reference to Microfiche Appendix</li><li>- Background of the Invention</li><li>- Brief Summary of the Invention</li><li>- Brief Description of the Drawings (if filed)</li><li>- Detailed Description</li><li>- Claim(s)</li><li>- Abstract of the Disclosure</li></ul>
3. <input checked="" type="checkbox"/>	Drawing(s) (35 U.S.C. 113) [Total Sheets <b>15</b> ]
4. <input checked="" type="checkbox"/>	Oath or Declaration [Total Pages <b>2</b> ] <ul style="list-style-type: none"><li>a. <input checked="" type="checkbox"/> Newly executed (original or copy)</li><li>b. <input type="checkbox"/> Copy from a prior application (37 C.F.R. § 1.63(d)) (for continuation/divisional with Box 16 completed)</li><li>i. <input type="checkbox"/> <u>DELETION OF INVENTOR(S)</u> Signed statement attaced deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).</li></ul>
<small>*NOTE FOR ITEMS 1 &amp; 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).</small>	

<b>ADDRESS TO:</b> Box Patent Application Assistant Commissioner for Patents Washington, DC 20231	
5. <input type="checkbox"/>	Microfiche Computer Program (Appendix)
6. <input type="checkbox"/>	Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) <ul style="list-style-type: none"><li>a. <input type="checkbox"/> Computer Readable Copy</li><li>b. <input type="checkbox"/> Paper Copy (identical to computer copy)</li><li>c. <input type="checkbox"/> Statement verifying identity of above copies</li></ul>

<b>ACCOMPANYING APPLICATION PARTS</b>	
7. <input type="checkbox"/>	Assignment Papers (cover sheet & document(s))
8. <input type="checkbox"/>	37 C.F.R. § 3.73(b) Statement (when there is an assignee)
9. <input type="checkbox"/>	English Translation Document (if applicable) <input checked="" type="checkbox"/> Power of Attorney
10. <input checked="" type="checkbox"/>	Information Disclosure Statement (IDS)/PTO-1449
11. <input type="checkbox"/>	Preliminary Amendment <input checked="" type="checkbox"/> Copies of IDS Citations
12. <input checked="" type="checkbox"/>	Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
13. <input type="checkbox"/>	*Small Entity Statement(s) <input type="checkbox"/> Statement filed in prior application, Status still proper and desired (PTO/SB/09/12)
14. <input type="checkbox"/>	Certified Copy of Priority Document(s) (if foreign priority is claimed)
15. <input type="checkbox"/>	Other: _____

<b>16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:</b>	
<input type="checkbox"/> Continuation	<input type="checkbox"/> Divisional
<input type="checkbox"/> Continuation-in-part (CIP)	of prior application No.: _____
Prior application information: Examiner _____ Group / Art Unit: _____	
<b>For CONTINUATION or DIVISIONAL APPS only:</b> The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.	

<b>17. CORESPONDENCE ADDRESS</b>					
<input checked="" type="checkbox"/> Customer Number or Bar Code Label		<b>0215868</b> (Insert Customer No. or Attach bar code label here)		or <input type="checkbox"/> Correspondence address below	
Name	Timothy Evans				
	MS 9031				
Address	Sandia National Laboratories				
	7011 East Avenue				
City	Livermore	State	CA	Zip Code	94550
Country	USA	Telephone	(925) 294-3690	Fax	(925) 294-3389
Name (Print/Type)	Timothy P. Evans	Registration No. (Attorney/Agent)	41,013		
Signature			Date	10/9/03	

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FILES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL FOR FY 2004

Patent fees are subject to annual revision.  
Small Entity payments must be supported by a small entity statement,  
Otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

TOTAL AMOUNT OF PAYMENT (\$)**1130.00**

## Complete if Known

Application Number	NOT ASSIGNED
Filing Date	10/09/03
First Named Inventor	NILSON
Examiner Name	NOT ASSIGNED
Group / Art Unit	NOT ASSIGNED
Attorney Docket No.	SD-8479

## METHOD OF PAYMENT (check one)

The Commissioner is hereby authorized to charge  
1. ☒ Indicated fees and credit any over payments to:

Deposit Account Number **50-0583**

Deposit Account Name **SNL by KCO**

☒ Charge Any Additional  
Fee Required Under  
37 CFR 1.16 and 1.17

2. Payment Enclosed:

☐ Check ☐ Money Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
1001	770	2001	385	Utility filing fee	<b>770.</b>
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1) (\$)**770.00**

### 2. EXTRA CLAIM FEES

	Extra Claims	Req. Fee	Fee Paid
Total Claims	<b>40</b>	-20**= <b>20</b> X <b>18.</b> = <b>360.</b>	
Independent Claims	<b>2</b>	- 3**= <b>0</b> X <b>84.</b> = <b>0.0</b>	
Multiple Dependent	<b>0</b>	= <b>0.</b>	

\*\*or number previously paid, if greater; For Reissues, see below.

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description
1201	86	2202	43	Independent claims in excess of 3
1202	18	2201	9	Claims in excess of 20
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	42	**Reissue independent claims over original patent
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)**360.00**

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840	1805	1,840	Requesting publication of SIR after Examiner	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	138	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Petitions related to provisional applications	
1806	180	1806	180	Submission of Information Disclosure Stmt	
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	

Other fee (specify) \_\_\_\_\_

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

## SUBMITTED BY

Name (Print/Type) **Timothy P. Evans**

Signature

WARNING:

Information on this form may become public. Credit card information should not be  
Included on this form. Provide credit card information and authorization on PTO-2038

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of  
time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR  
COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

## Complete (if applicable)

Reg. Number  
(Attorney/Agent) **41,013**

Telephone **(925) 294-3690**

Date **10/9/03**